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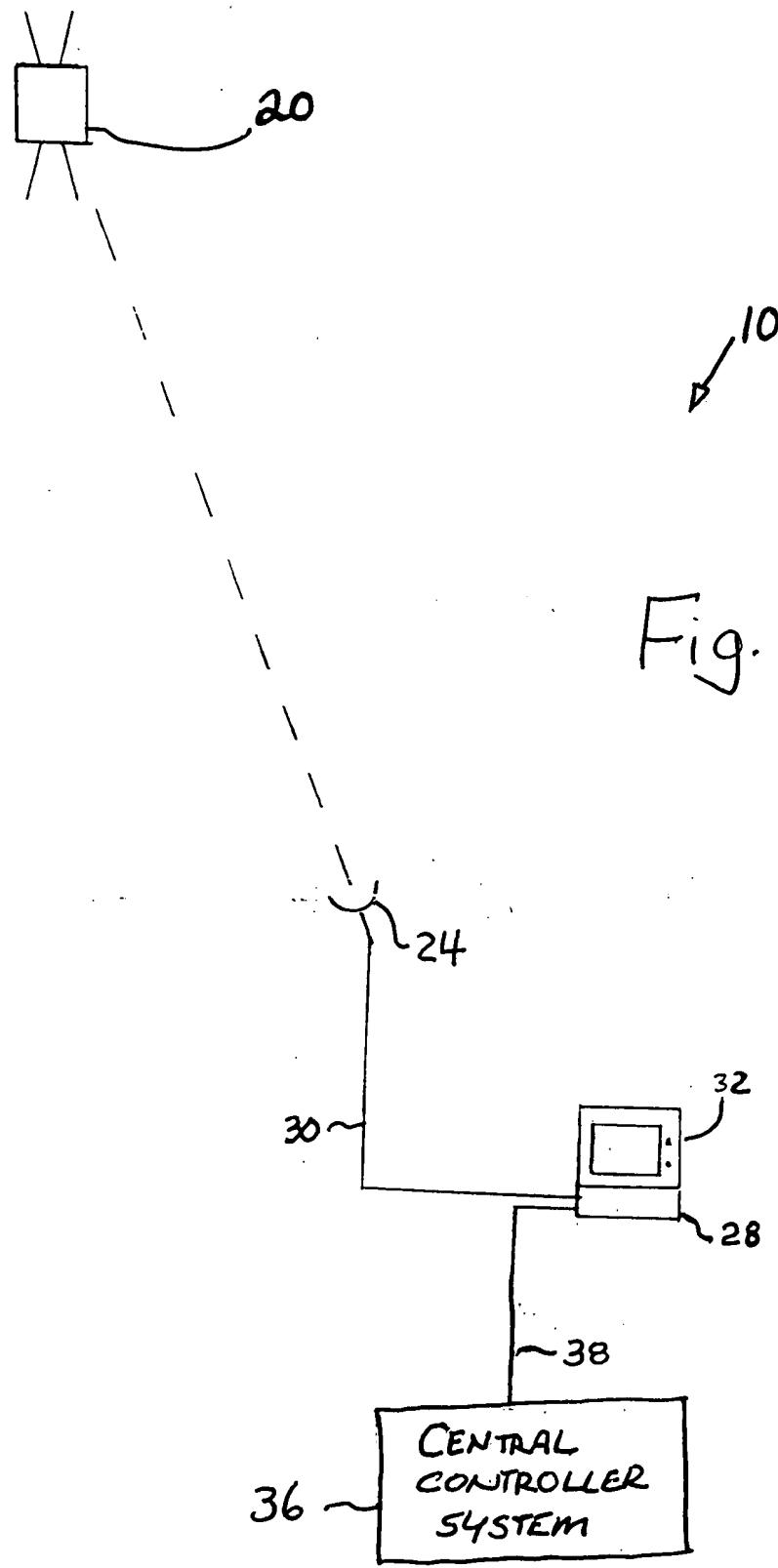


Fig. 1

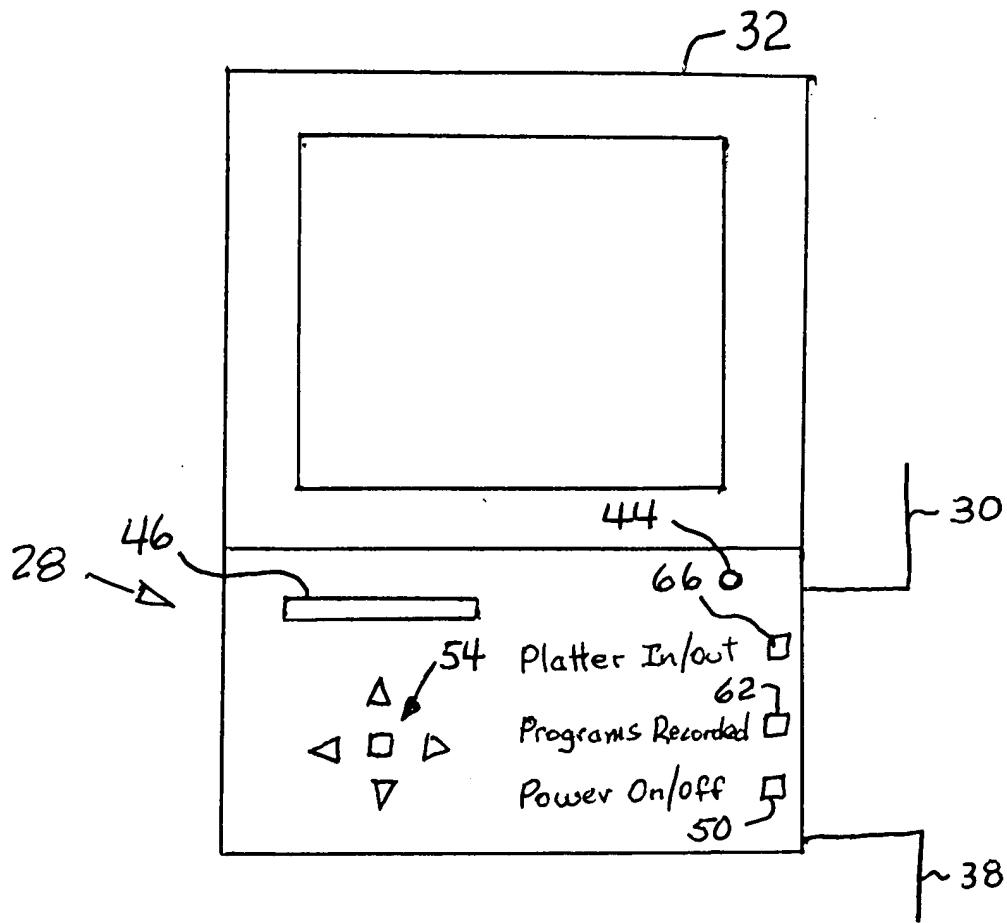


Fig. 2

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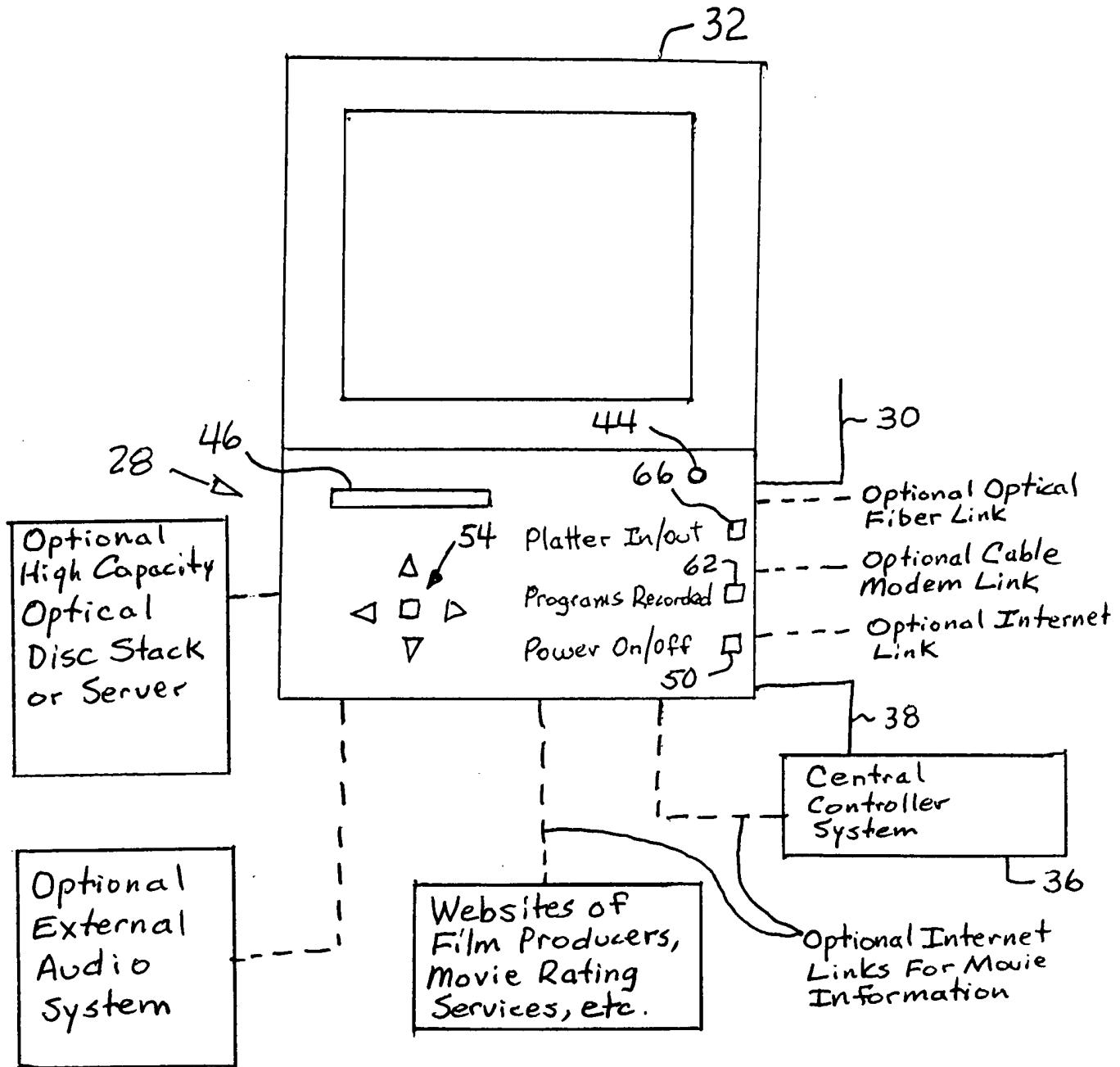
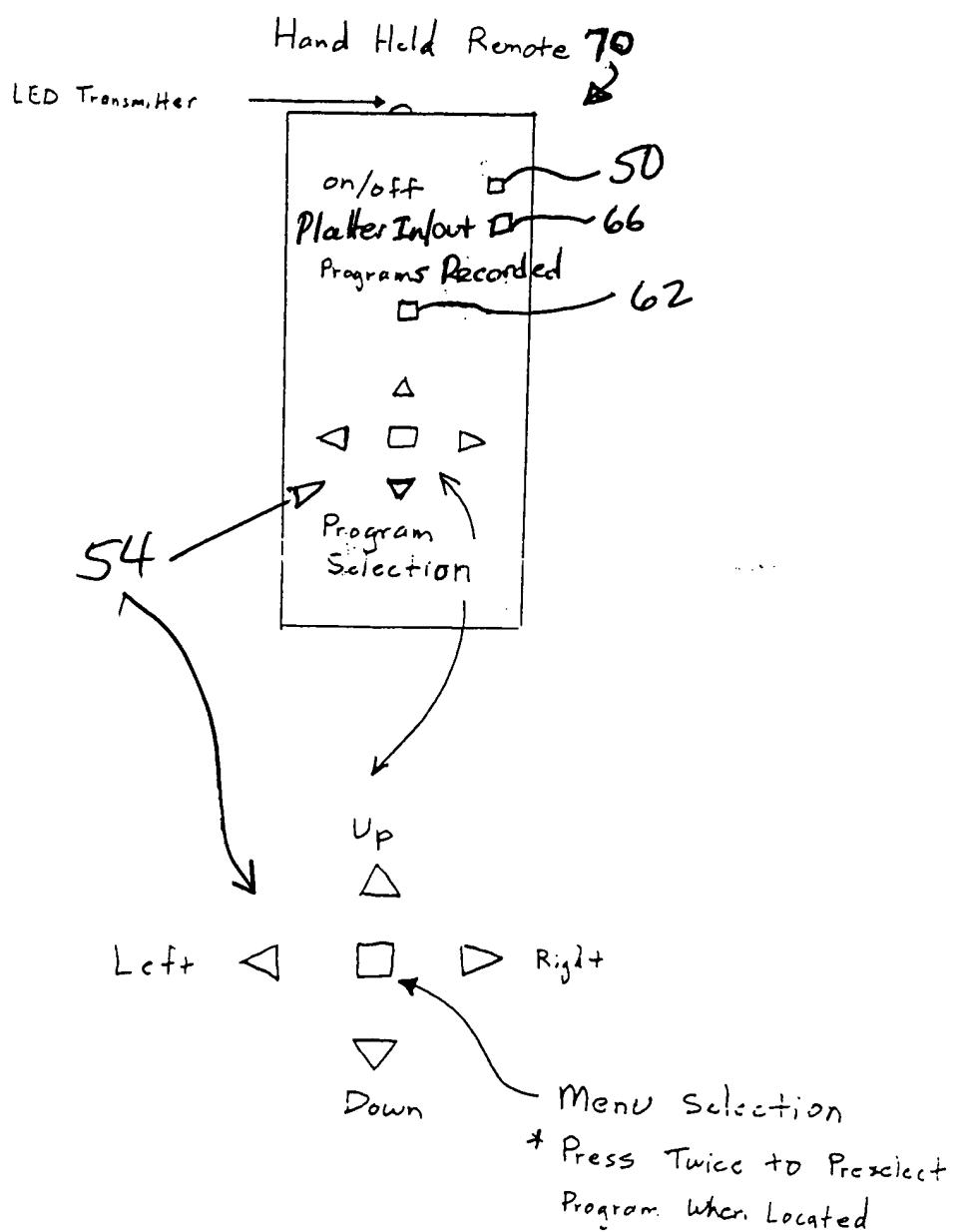


Fig. 2A

Fig. 3



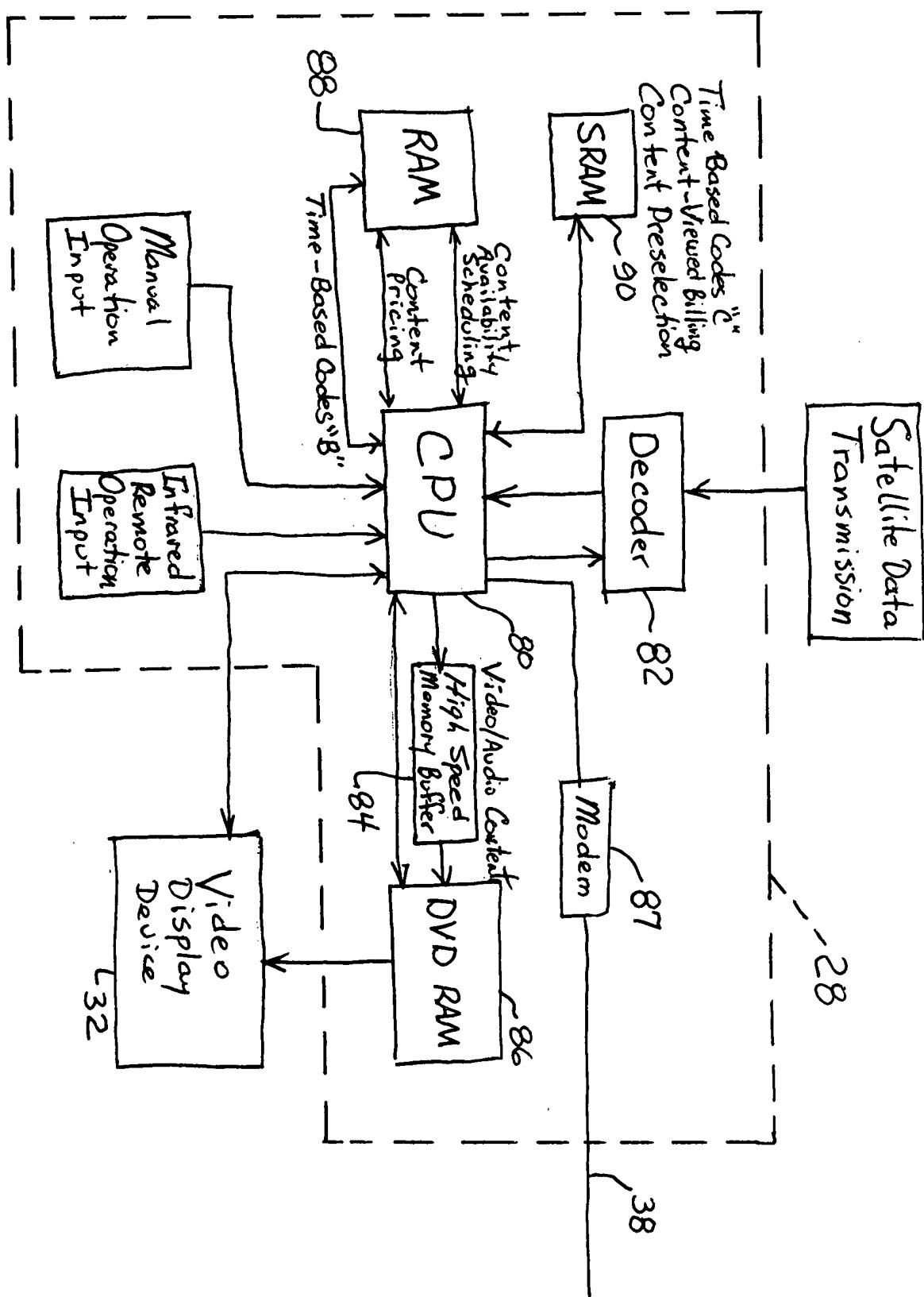


Fig. 4

- 100 ↗
- Programs Recorded
 - Available Movies
 1. New Releases
 - Comedy
 - Drama
 - Action
 - Documentary
 2. Classics
 -
 - ↓

Fig. 5

110 ↗

SLOT	PROGRAM
1	Blank disc
2	"Return of the Jedi"
3	No disc
4	"To Sir with Love"
5	Blank disc
6	"Sleepless in Seattle"
7	"Dave"
8	Blank disc
9	No disc
10	"True Grit"

Fig. 6

120 ↤

New Releases / Comedy (20 Titles)		
1	Title #1	120 mins. PG
2	Title #2	98 mins. R
3	Title #3	102 mins. PG-13
4	Title #4	108 mins. PG
5		
6		
7		
8	↓	↓

Fig. 7

LEVEL I TIME-BASED SECURITY CODES

A	B	C
<p>One 32 bit code in each movie header $\times 12$ months $\times 100$ years = 1200 32 bit codes</p>	<p>One 32 bit code for each month chosen at the beginning of each month and transmitted by DBS.</p>	<p>One 32 bit code delivered each month by phone/ modem with billing query from central controller system. C provided only when customer is in good standing.</p>

Fig. 8

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Store discrete address for each customer household

Receive viewed-content information from customer households

Debit accounts of customer households

Credit accounts of content providers

Send time-based security codes C and enabling commands to customers in good standing

Financial Network

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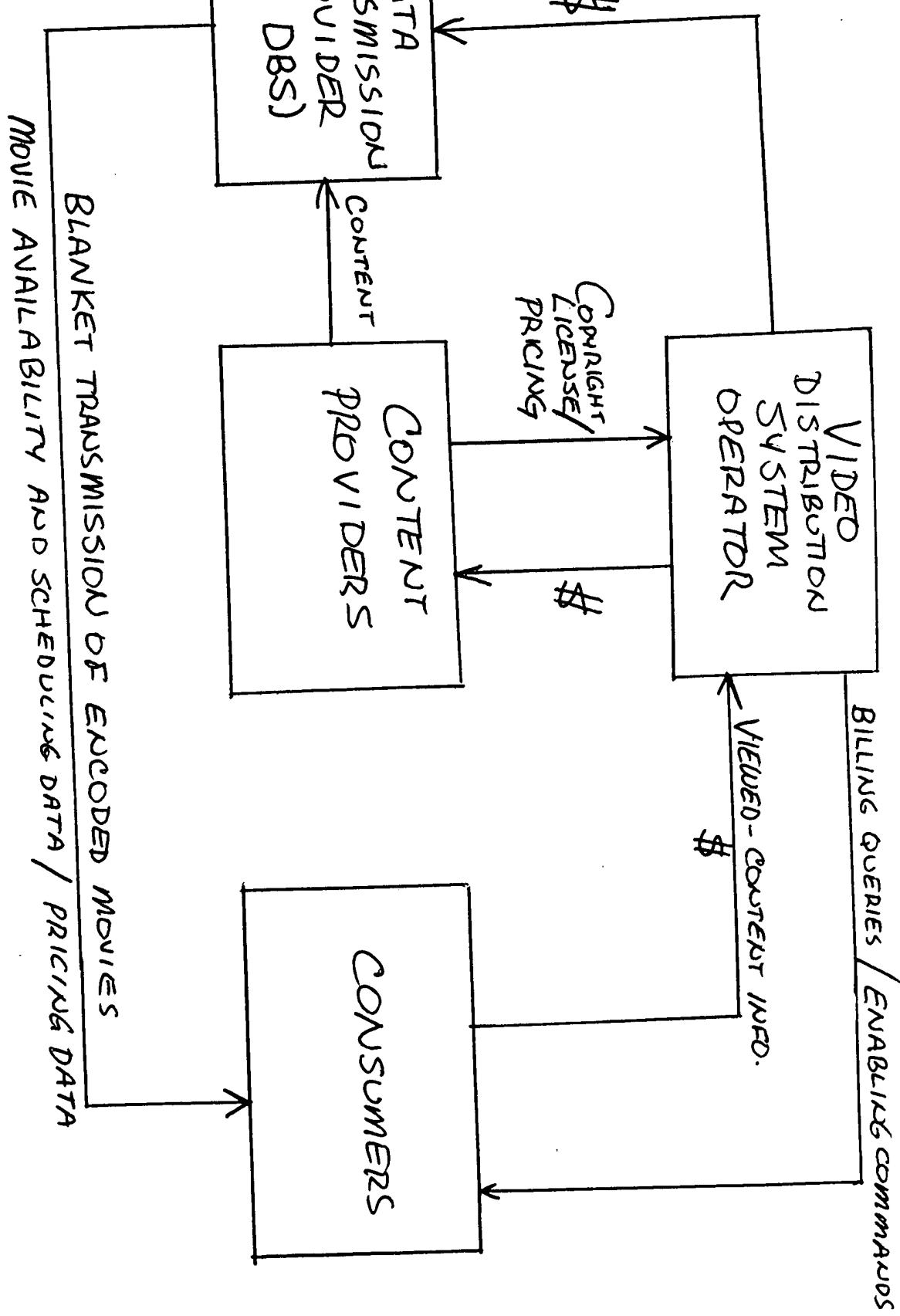


Fig : 10